

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: 7015 1730 0001 1594 6493

Document Control Desk  
USNRC  
Docket Numbers 50-272&50-311  
Washington, DC  
20555

**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
SALEM GENERATING STATION  
NJPDES PERMIT NJ0005622**

Dear Sir:

Attached is a copy of the Discharge Monitoring Report for the Salem Generating Station for the month of March 2018. The original report has been submitted to the NJDEP via electronic DMR.

This report is required by and prepared specifically for the New Jersey Department of Environmental Protection (NJDEP). It presents only the observed results of measurements and analyses required to be performed by the above agencies. The choice of the measurement devices and analytical methods are controlled by the EPA and the NJDEP, not by the company, and there are limitations on the accuracy of such measurement devices and analytical techniques even when used and maintained as required. Accordingly, this report is not intended as an assertion that any instrument has measured, or that any reading or analytical result represents the true value with absolute accuracy, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions concerning this report, please feel free to contact Michael Brummitt (856) 339-2097.

Sincerely,



Charles V. Mcfeaters  
Site Vice President – Salem

Attachment (12 DMR's)

C Executive Director, DRBC

IE25  
NRR

## EXPLANATION OF CONDITIONS

### **March 2018**

The following explanations are included to clarify possible deviation from permit conditions.

General - The columns labeled "No. Ex" on the enclosed DMR tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

Deviations from required sampling, analysis monitoring and reporting methods and periodicities are noted on the respective transmittal sheet.

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories, the December 2007 revision of the NJDEP DMR Instruction Manual and specific guidance from DEP personnel.

**ATTACHMENT:**  
None

## EXPLANATION OF EXCEEDANCES

**March 2018**

The following exceedance(s) are included in the attached report and explained below.

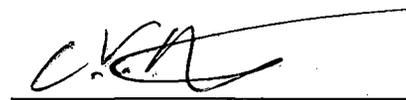
EXPLANATION

None

COUNTY OF SALEM  
STATE OF NEW JERSEY

I, Charles V. Mcfeaters, of full age, being duly sworn according to law, upon my oath depose and say :

1. I am the Site Vice President – Salem for PSEG Nuclear, and as such am authorized to sign Salem's Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
3. The signature on the attached Discharge Monitoring Reports is my signature.

A handwritten signature in black ink, appearing to read 'C. V. Mcfeaters', is written over a horizontal line.

Charles V. Mcfeaters  
Site Vice President – Salem



State of New Jersey  
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 03/01/2018 - 03/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** FACA SW Outfall FACA  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2018 - 03/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:**

NJ0005622

**Monitoring Period:**

03/01/2018 To 03/31/2018

**Monitored Location:**

FACB SW Outfall FACB

**Monitored Location Group:**

**Region / County:**

Southern / Salem

**Check if Applicable:**

No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey  
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2018 - 03/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****		*****	6.5	9.2		0	Continuous	CONTIN
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C			
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****		*****	14.5	17.0		0	Continuous	CONTIN
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG.C			
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****		*****	8.0	8.0		0	1 Day	CALCTD
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	15.3 01DAMX	DEG.C			
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327	CT405			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey  
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 03/01/2018 - 03/31/2018**

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** FACC SW Outfall FACC  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 03/01/2018 - 03/31/2018**

**Permittee:**  
PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**  
PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**  
PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 048C SW Outfall 48C  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Additional sample results taken for TSS ,NH3 and TOC have been used in the 48C outfall results for the month of March

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 03/01/2018 - 03/31/2018**

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 481A SW Outfall 481A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 03/01/2018 - 03/31/2018**

---

**Permittee:**  
PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**  
PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**  
PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 482A SW Outfall 482A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 03/01/2018 - 03/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 483A SW Outfall 483A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 03/01/2018 - 03/31/2018**

**Permittee:**  
PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**  
PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**  
PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 484A SW Outfall 484A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 03/01/2018 - 03/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 485A SW Outfall 485A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 03/01/2018 - 03/31/2018**

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 486A SW Outfall 486A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 03/01/2018 - 03/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 487B SW Outfall 487B  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Monitoring Report

PI: 46814  
Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 03/01/2018 - 03/31/2018**

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 03/01/2018 To 03/31/2018  
**Monitored Location:** 489A SW Outfall 489A  
**Monitored Location Group:**  
**Region / County:** Southern / Salem

**Check if Applicable:**  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.





State of New Jersey  
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 1/1/2018

**PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 07/31/2018**

---

**Permittee:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA

NEWARK, NJ 07101

**Location of Activity:**

PSEG NUCLEAR LLC SALEM GENERATING STATION  
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

**Report Recipient:**

PSEG NUCLEAR LLC  
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

**NJPDES Permit Number:** NJ0005622  
**Monitoring Period:** 02/01/2018 To 07/31/2018  
**Monitored Location:** 048C SW Outfall 48C  
**Monitored Location Group:** N/A  
**Region / County:** Southern / Salem

Check if Applicable:  No Discharge This Monitoring Period

**Monitoring Report Comments:**

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey  
Department of Environmental Protection  
Surface Water Discharge Waste Characterization Report

PI: 46814  
Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 07/31/2018

Sample Date: (mm/dd/yyyy) 03/13/2018

Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO4) 00945 1 Effluent Gross Value	1380000	UG/L	S Laboratory test	GRAB
Boron, Total (as B) 01022 1 Effluent Gross Value	378	UG/L	S Laboratory test	GRAB
Dichlorobromomethane 32101 1 Effluent Gross Value	40.0	UG/L	S Laboratory test	GRAB
Bromoform 32104 1 Effluent Gross Value	31.7	UG/L	S Laboratory test	GRAB
Chloroform 32106 1 Effluent Gross Value	101	UG/L	S Laboratory test	GRAB
Acrylonitrile 34215 1 Effluent Gross Value	<4	UG/L	nalyzed for but not dete	GRAB
Chlorodibromomethane 34306 1 Effluent Gross Value	39.4	UG/L	S Laboratory test	GRAB
Lab Certification # 99999 99 Lab	06003			NOT AP
Lab Certification # 99999 99 Lab	PA051			NOT AP
Lab Certification # 99999 99 Lab	17927			NOT AP
Lab Certification # 99999 99 Lab	CT405			NOT AP
Lab Certification # 99999 99 Lab				NOT AP